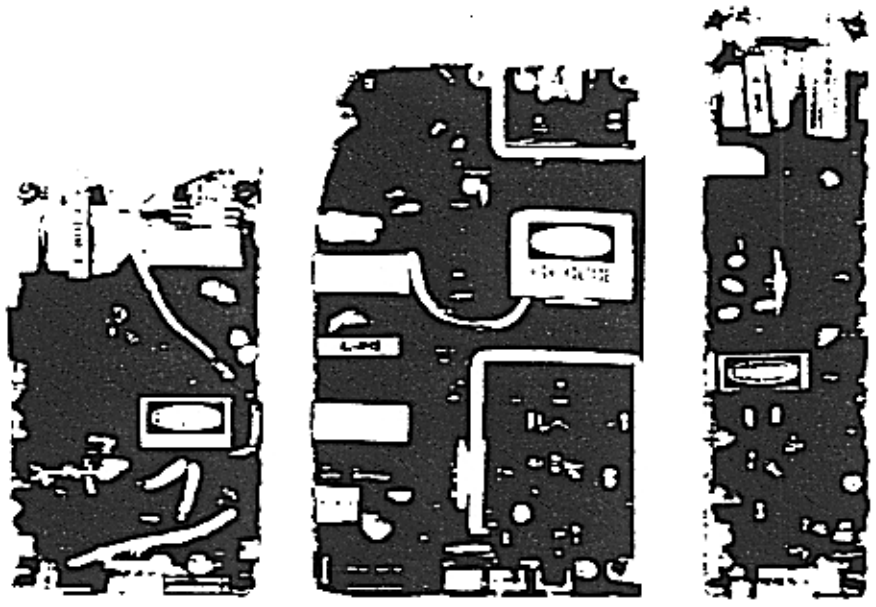
PVI UNIVERSAL AC INPUT SERIES
SINGLE AND MULTIPLE OUTPUTS

S/N 146085

ISO 9002

146 085



- UNIVERSAL AC INPUT 90-264 VAC
- OVER 100 STANDARD MODELS
- 10 WATTS THROUGH 200 WATTS
- SINGLE, DUAL AND MULTIPLE OUTPUTS
- LOW PROFILE MODELS
- DISK AND TAPE DRIVE MODELS
- AC/DC INPUT MODELS W/ BATTERY BACK UP
- EMI TESTED TO FCC AND EN55022 LEVEL "B"
- UL RECOGNIZED, CSA CERTIFIED, TUV LICENSED
- MODIFIED AND CUSTOM DESIGNS AVAILABLE

Output Power	Refer to wattage and voltage rating tables.	
Input Voltage	Wide range & universal input.	90-264 VAC
Input Frequency		47-63 Hz.*
Input Surge Current	Peak (cold start)	20A (115 VAC) 40A (230 VAC) Typical
Efficiency	Nominal AC input, full rated load.	75% typical
Hold-Up Time	Nominal AC input, full rated load.	20msec., typical
Line Regulation	Over input range, V1 thru V4.	± 0.5%, typical
Load Regulation	V1 - 20% - 100% max. rated load.	± 1% max.*
	V2 thru V4 20% - 100% max. rated load.	± 3.5% max.
	For auxiliary with post regulator.	± 1% max.
Cross regulation	V1 - Change V2 - V4 load 50%-100%.	± 1% max.
	V2 thru V4 change V1 load 50%-100%.	± 3% max.
	For auxiliary with post regulator.	± 1% max.
Ripple & Noise	Full load: 5 volt output.	50 mV Pk-Pk
	V2 - V4	1% max.
Transient Response	50% load change.	2% max. deviation returns to initial condition in 1 msec max.
Temperature Coefficient	V1 - V4	0.02% typical
Long Term Stability	For 8 hours, following 20 min. warm-up.	0.1%
Overshoot	At turn-on, turn-off, power failure.	None
Temperature Range	Operating (derate linearly to 50% at 71°C).	0°C to + 50°C
Storage (non-operating).	-20°C to +85°C	
Cooling	Convection and fan cooled, see tables.	
Overvoltage Protection	5 volt output only.	6.2V +/- 0.4V *
Overcurrent Protection	Power limiting, auto recovery.	125% rated load
Short Circuit Protection	Will withstand continuos short without damage.	Auto recovery
No Load Operation	No damage to supply when operated at no load.	

POWER SWITCH Corp.

1040 WILT AVENUE • RIDGEFIELD, NJ 07657
Phone: 201/945-8600 • FAX: 201/945-3911

PVI VOLTAGE/CURRENT RATING CHART

Power Switch

PVI-10 SERIES

- 10 WATT MAXIMUM OUTPUT POWER
- CONVECTION COOLED
- LOW PROFILE

PVI-10-10	5 @ 2.0	-		-	-
PVI-10-11	12 @ 1.0	-		-	-
PVI-10-12	15 @ 0.7	-		-	-
PVI-10-13	24 @ 0.5	-		-	-
PVI-10-20	+5 @ 1.7	-5 @ 0.3	1.0	-	-
PVI-10-21	+5 @ 1.0	+12 @ 0.5	1.0	-	-
PVI-10-22	+5 @ 1.0	+15 @ 0.4	1.0	-	-
PVI-10-23	+5 @ 1.0	+24 @ 0.2	1.0	-	-

PVI-21 SERIES

- 20 WATT MAXIMUM OUTPUT POWER
- CONVECTION COOLED
- PCB ONLY OR
- CASE, COVER (BOX)

PVI-21-20	+5 @ 3.0	-5 @ 1.0	1.0	-	-
PVI-21-21	+5 @ 3.0	+12 @ 0.5	1.0	-	-
PVI-21-22	+5 @ 3.0	+15 @ 0.5	1.0	-	-
PVI-21-23	+5 @ 2.0	+24 @ 0.5	1.0	-	-
PVI-21-30	+5 @ 2.0	+12 @ 0.5	1.0	12 @ 0.5	-
PVI-21-31	+5 @ 2.0	+12 @ 0.5	1.0	5 @ 1.0	-
PVI-21-32	+5 @ 2.0	+24 @ 0.2	1.0	12 @ 0.5	-
PVI-21-33	+5 @ 2.0	+15 @ 0.5	1.0	15 @ 0.5	-
PVI-21-34	+5 @ 2.0	+24 @ 0.2	1.0	5 @ 1.0	-

PVI-30 SERIES

- 40 WATT MAXIMUM OUTPUT POWER
- CONVECTION COOLED
- 3x5 STANDARD

PVI-30-10	5 @ 8.0	-		-	-
PVI-30-11	12 @ 3.3	-		-	-
PVI-30-12	15 @ 2.6	-		-	-
PVI-30-13	24 @ 1.6	-		-	-
PVI-30-20	+5 @ 3.0	-5 @ 2.5	4.0	-	-
PVI-30-21TA	+5 @ 3.0	+12 @ 3.0	5.5	-	-
PVI-30-23	+5 @ 3.0	+24 @ 1.5	2.0	-	-
PVI-30-30	+5 @ 3.0	+12 @ 2.5	4.0	12 @ 1.0	-
PVI-30-32	+5 @ 3.0	+24 @ 1.5	2.0	12 @ 1.0	-
PVI-30-34	+5 @ 3.0	+15 @ 2.0	3.0	15 @ 1.0	-

PVI-40 SERIES

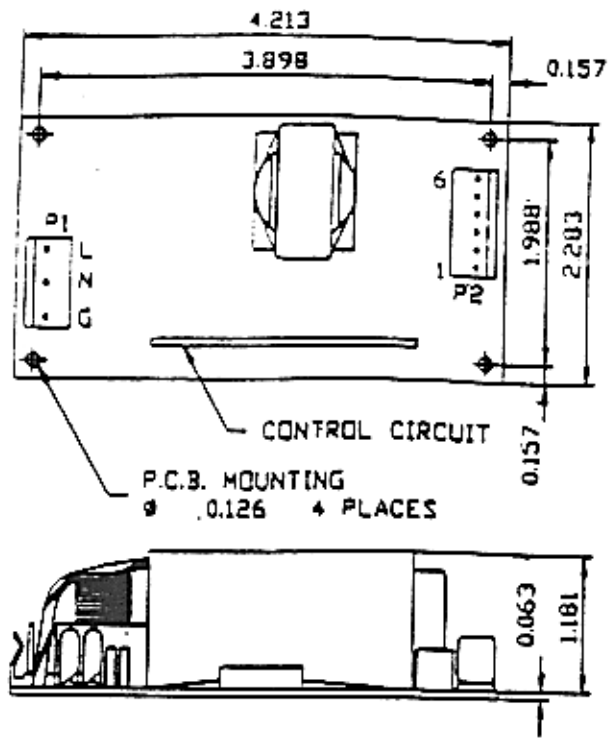
- 40 WATT MAXIMUM OUTPUT POWER
- CONVECTION COOLED
- TRIPLE AND QUAD OUTPUTS

PVI-40-30	+5 @ 3.0	+12 @ 1.5	2.0	12 @ 0.5	-
PVI-40-31	+5 @ 3.0	+12 @ 1.5	2.0	5 @ 1.0	-
PVI-40-32	+5 @ 3.0	+24 @ 0.8	1.5	12 @ 0.5	-
PVI-40-33	+5 @ 3.0	+15 @ 1.4	2.0	15 @ 0.4	-
PVI-40-40	+5 @ 3.0	+12 @ 1.2	2.0	12 @ 0.5	-12 @ 0.5
PVI-40-41	+5 @ 3.0	+12 @ 1.2	2.0	12 @ 0.5	-5 @ 1.0
PVI-40-42	+5 @ 3.0	+24 @ 0.5	1.5	12 @ 0.5	-12 @ 0.5
PVI-40-43	+5 @ 3.0	+15 @ 1.0	2.0	15 @ 0.5	-12 @ 0.5

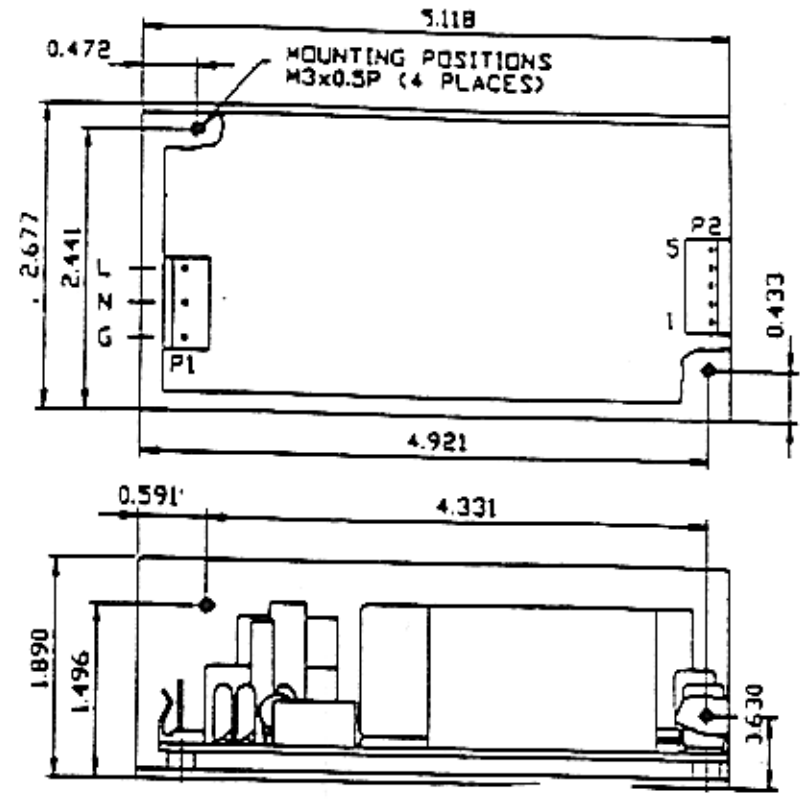
POWER SWITCH Corp.
1040 WILT AVENUE • RIDGEFIELD, NJ 07657
Phone: 201/945-8600 • FAX: 201/945-3911

PVI SERIES MECHANICAL DRAWINGS

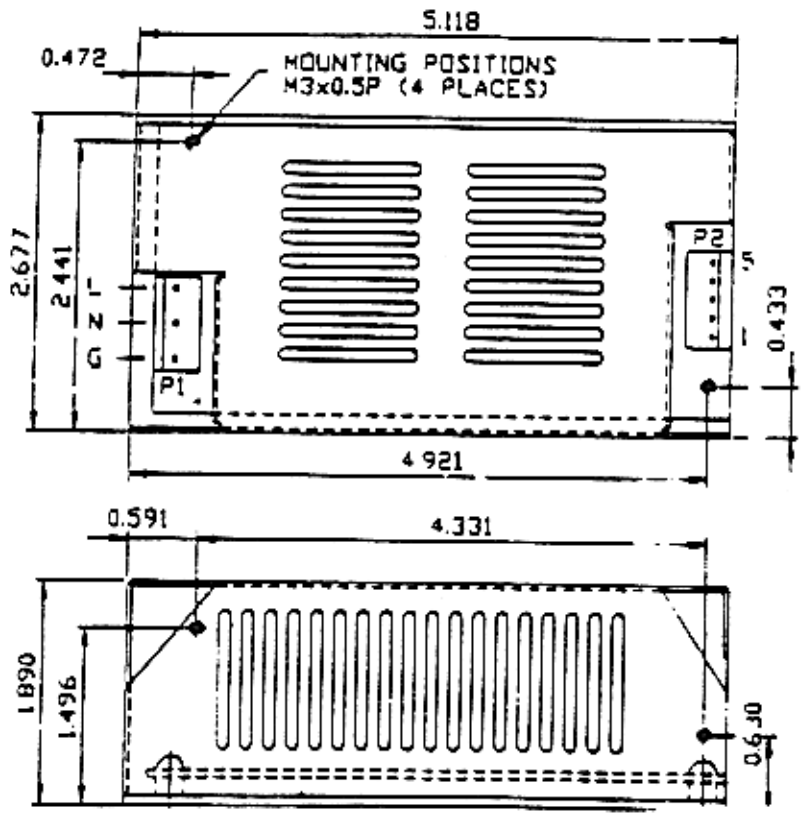
ISO 9002



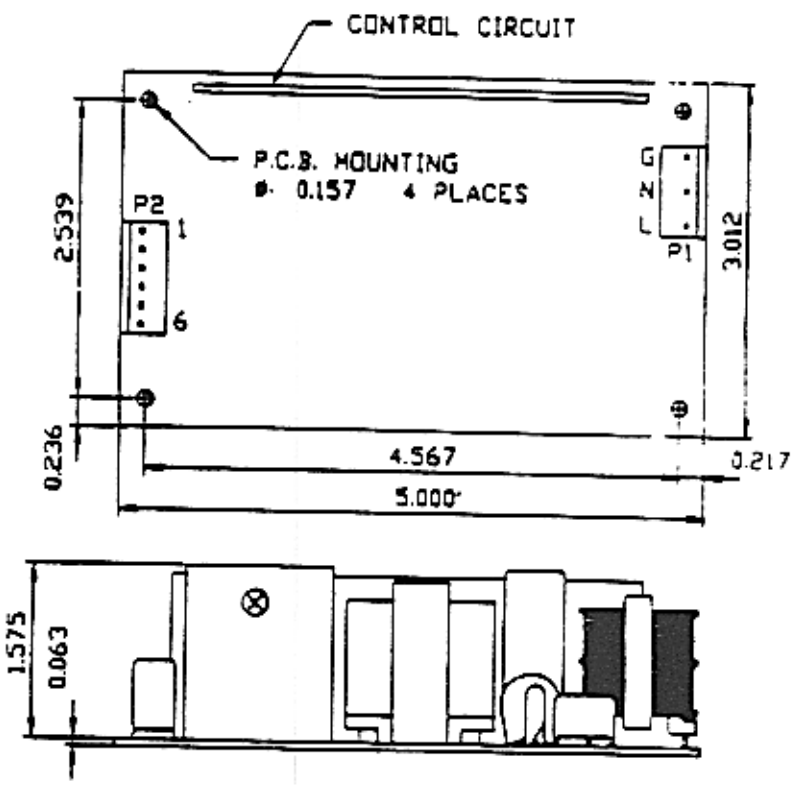
PVI-10 SERIES



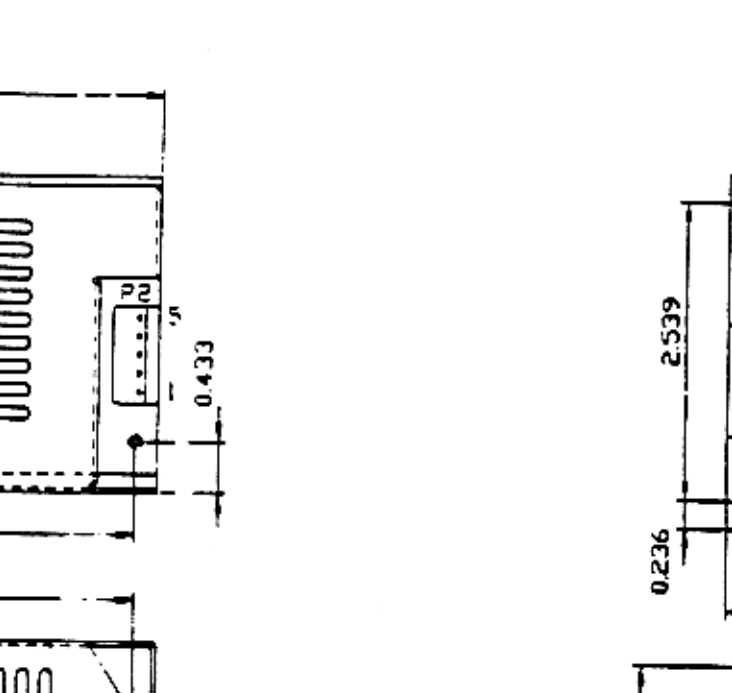
PVI-21 SERIES



PVI-21 SERIES (BOX)



PVI-30 SERIES



PVI-40 SERIES

POWER SWITCH Corp.

1040 WILT AVENUE • RIDGEFIELD, NJ 07657
Phone: 201/945-8600 • FAX: 201/945-3911